85% SELF-CONSUMPTION? YES TO THAT!

Achieving record self-consumption with the Fronius Ohmpilot while reducing demands on the heating system

Reifnitz, Austria: Artur Kosielski's villa overlooking Lake Wörth in Austria is not just architecturally unique. This 60 year old building has also got the edge in terms of technology. By installing a Fronius Ohmpilot, the owner is not only demonstrating good taste, but is also reducing his heating and hot water bills.

As the 200 m² house is primarily used during the summer months and at weekends, the owner decided to install electric under-floor and wall heating. The Fronius Ohmpilot significantly reduces the demands on these systems, while increasing their service life at the same time. The intelligent controller heats the hot water for the taps in the buffer storage tank and supplies the heating system with PV energy. This enables the use of solar energy that would have otherwise been fed into the grid. The result: 85% self-consumption.

"Our experience with the Fronius Ohmpilot has been very positive. It is extremely user-friendly, and installation and commissioning were very straightforward," according to Fronius Service Partner Karl Heinz Knees.

OUR SOLUTION:
/ The Fronius Ohmpilot heats the hot water for the under-floor/wall heating and taps
/ The 85% self-consumption rate significantly lowers energy costs

SYSTEM DATA	REIFNITZ, AUSTRIA
Size of installation	4.64 kWp
System type	Roof-top installation
Inverter	1 Fronius Symo 4.5-3-S
Hot water production	Fronius Ohmpilot
Commissioned	March 2017
Annual yield	5.6 MWh
CO_2 savings / year	Approx. 3 t
Special feature	Approx. 85% self-consumption

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